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DEPARTMENT OF
ENVIRONMENTAL
QUALITY

July 2, 1998

Al Goodman
U.S. Environmental Protection Agency
Oregon Operations Office
811 SW Sixth Ave.
Portland, OR 97204

Re: McCormick & Baxter Site
Task Order Progress Report

Dear Al:

Enclosed are copies of the two latest Task Order Progress Report for the McCormick & Baxter Creosoting Co. Superfund site. The reports were prepared for the Department of Environmental Quality by our contractor Ecology & Environment, Inc. (E&E). One report is dated May 20, 1998, and covers the period March 29, through May 2, 1998. The second report is dated June 17, 1998, and covers the period May 3, through May 30, 1998.

If you have any questions concerning the reports, please let me know.

Sincerely,

Bill Dana

William H. Dana
Project Manager
Waste Mgmt. & Cleanup Division

enclosures

cc: John Montgomery, E&E (w/o encl.)
Steve Campbell, DEQ (w/o encl.)



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Portland, OR 97204-1390
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DEQ-1



TASK ORDER PROGRESS REPORT

Contract/Task Order No.: 88-97-5
 E & E Invoice No.: 73582
 Site Name: McCormick & Baxter Remedial Design/Remedial Action
 E & E Project No.: OH4000
 Prepared by: John Montgomery, Project Manager, E & E - Portland
 Date: May 20, 1998
 Period: March 29, 1998 to May 2, 1998

1. BUDGET STATUS SUMMARY

Task Description	Budget Expended this Period	Budget Expended to Date	Authorized Budget	Percent of Work Complete ^a
1-RD Project Planning and Support	\$0.00	\$0.00	\$0.00	0%
2-RD Site-Specific Plans	\$0.00	\$3,811.18	\$3,594.00	100%
3-RD Project Administration	\$1,543.95	\$37,883.10	\$55,914.00	75%
4-RD Subcontractor Procurement	\$0.00	\$1,021.54	\$895.00	100%
5-RD Community Relations	\$0.00	\$6,554.60	\$8,904.00	100%
6-RD Data Acquisition	\$0.00	\$16,079.53	\$30,476.00	100%
7-Sample Analysis	\$0.00	\$9,892.00	\$10,302.00	100%
8-RD Data Validation	\$0.00	\$501.29	\$1,979.00	100%
9-RD Data Management	\$0.00	\$18,832.21	\$21,367.00	100%
10-Treatability Studies	\$0.00	\$0.00	\$0.00	0%
11-Preliminary Design	(\$190.27)	\$75,445.82	\$78,218.00	95%
14-Pre-Final/Final Design	\$9,802.03	\$52,993.29	\$59,531.00	90%
RD Subtotal	\$11,155.71	\$223,014.56	\$271,180.00	85%
21-RA Planning and Support	\$1,072.85	\$34,159.52	\$65,036.00	50%
22-RA Site-Specific Plans	\$4,797.05	\$125,864.42	\$141,247.00	90%
23-Construction Contractor Procurement	\$4,327.93	\$20,511.00	\$37,941.00	50%
25-Resident Inspection Services	\$0.00	\$0.00	\$0.00	0%
26-RA Data Validation	\$64.55	\$289.22	\$1,939.00	15%
27-RA Implementation	\$47,232.31	\$385,130.73	\$541,453.00	70%
RA Subtotal	\$57,494.69	\$565,954.89	\$787,616.00	70%
TOTAL	\$68,650.40	\$788,969.45	\$1,058,796.00	75%

^a Percent complete represents proportion of authorized work completed to date.

2. PROGRESS MADE DURING THE REPORTING PERIOD

Task 2: RD Site Specific Plans. No activities were conducted during this period

Task 3: RD Project Administration. During this period, E & E conducted routine project management tasks such as resource allocation and financial oversight of the RD activities and prepared invoice number 73837 dated April 9, 1998 for the previous reporting period.

Individual	Role	Hours	Activity
J. Montgomery	Program Manager	8	Project management
K. Smith	Engineer	5	Project management, invoice preparation.

Task 4: RD Subcontractor Procurement. No activities were conducted during this period

Task 5: RD Community Relations. No activities were conducted during this period.

Task 6: RD Data Acquisition. No activities were conducted during this period.

Task 7: RD Sample Analysis. No activities were conducted during this period.

Task 8: RD Data Validation. No activities were conducted during this period.

Task 9: RD Data Management. No activities were conducted during this period.

Task 11: Preliminary Design. No activities were conducted during this period. Time sheet adjustment was made as noted in the previous invoice.

Individual	Role	Hours	Activity
R. Earlywine	Engineer	-3	Hours moved to Task 14

Task 14: Pre-Final Design. E & E received DEQ's comments regarding the pre-final soil design on April 15, 1998. E & E modified the specifications, contract documents and engineering drawings in accordance with DEQ's comments. The final deliverable was submitted to DEQ on May 1, 1998 as scheduled in the Task Order.

Note - E & E's effort to prepare the contract and bidding portions of the documents has been incurred in Task 23, as specified by the Task Order.

Individual	Role	Hours	Activity
A. Whitman	Senior Engineer	17	P.E. review of design and contract documents.
K. Smith	Project Engineer	35	Organized, monitored, and reviewed soil design and document preparation activities.
R. Earlywine	Project Engineer	3	Time sheet correction.
R. Whitlock	Computer Support	0.5	Computer support to troubleshoot cost estimating software problems.
C. Nancarrow	Project Engineer	42	Soil design activities, specification preparation, CAD figure preparation and quality review.

Individual	Role	Hours	Activity
D. Clements	Editor	0.5	Specification editing , word processing, and publications.
A. Showers	Graphics	2	Site vicinity map, location map.
R. Nordeen	Clerical	1	Word processing

Task 21: RA Planning and Support/Project Administration. During this period, E & E conducted routine project management tasks such as resource allocation and financial oversight of the RA activities and prepared the invoice numbered 73837 dated April 9, 1998 for the previous reporting period.

Individual	Role	Hours	Activity
J. Montgomery	Program Manager	5	Monthly RA project oversight
K. Smith	Engineer	4	RA project management, project staffing meeting, and invoice preparation.

Task 22: RA Site Specific Plans. During this period, E & E completed the draft GW-SQAP and delivered the document to DEQ on March 31, 1998.

Individual	Role	Hours	Activity
J. Montgomery	Project Manager	14	GW-SQAP review.
M. Witnauer	Geologist	16	GW-SQAP preparation
D. Clements	Editor	4.25	GW-SQAP document editing and word processing.
R. Bidell	CAD Operator	1	CAD figure modifications
C. Nancarrow	Engineer	1	CAD figure modifications
M. Herrmann	CAD Operator	3	CAD figure modifications
M. Billi	CAD Operator	2	CAD figure modifications
J. Mihalek	Clerical	11	Document production

Task 23: Construction Contractor Procurement. E & E revised the contract portion of the soil specifications in accordance with DEQ's comments. The revised sections were resubmitted to DEQ on May 1, 1998.

Individual	Role	Hours	Activity
K. Smith	Engineer	49	Contract document revisions

Task 26: RA Data Validation. E & E conducted routine data validation of treatment system effluent samples. Results of the data validation are included in E & E's quarterly report for the first quarter of 1998.

Individual	Role	Hours	Activity
D. Ikeda	Chemist	1	Data validation of effluent samples

Task 27: RA Implementation. During this period, E & E's full time on-site engineer, Kevin McGillivray, began activity at the site. The current task order budget does not include sufficient hours for this full time, on-site engineer. E & E will be submitting a cost proposal to DEQ at the end of May requesting additional funds to account for the increased on-site activity.

During this period, E & E began preparation of the First Quarter 1998 quarterly report. Preparation included data entry, data quality control checks, data analysis to determine site trends, preparation of tables and graphics, and preparation of report text.

During this period, E & E conducted site analysis and contacted various equipment manufacturers in response to David Anderson's recent requests (via e-mail) to increase NAPL extraction at the site. E & E's activities has been focused on collecting the required information for presentation into technical memoranda. The technical memoranda will be presented to DEQ in May

Groundwater samples were collected in April for the second quarter of 1998.

Individual	Role	Hours	Activity
J. Montgomery	Program Manager	8	Activity oversight.
M. Ochsner	Hydrogeologist	68	Quarterly report preparation, data review and analysis, discussion with DEQ to improve NAPL extraction.
D. Franzen	Regional H & S Officer	8	Site audit memorandum preparation
K. McGillivray	Site Engineer	195	Site operation supervision, activity coordination, data collection, and technical memoranda preparation.
K. Smith	Engineer	32	Site operation subcontract oversight, schedule of site activities, quarterly report review, site activity instruction for K. McGillivray.
T. Angus	Risk Assessor	10.5	Quarterly sampling assistance.
C. Nancarrow	Engineer	44.5	Database modifications, data quality control inspections, quarterly report preparation.
M. Witnauer	Geologist (Associate)	9	Pressure transducer data collection, site activity instruction for K. McGillivray
K. Miller	Technician	43	Quarterly groundwater sample collection
J. Mihalek	Clerical	65	Word processing, quarterly data entry, entry of DEQ lab data.

3. ISSUES OF IMPORTANCE.

None at this time.

4. POTENTIAL/CURRENT PROBLEM AND RECOMMENDED SOLUTION

None at this time.

5. KEY ACTIVITIES/SCHEDULE FOR SUBSEQUENT REPORTING PERIOD

- Initiation of the soil contract procurement process on May 27, 1998
- Finalization of the GW-SQAP
- Submittal of a cost proposal
- Submittal of final quarterly reports.
- Submittal of outstanding technical memoranda.

6. DELIVERABLES SUBMITTED

- Draft GW-SQAP submitted on March 31, 1998
- Final soil design contract documents submitted on May 1, 1998

7. KEY PERSONNEL CHANGES

No changes have occurred during this period.

8. SUBCONTRACTING

ADT (SBE) was utilized during this reporting period for site operations and treatment system operation. Northwest Protective Services (WBE) was utilized during this period for site security services. Sound Analytical Services was utilized to analyze the weekly effluent water samples.

9. DATA GENERATED

Weekly treatment system effluent analytical data was generated during this period. The results are summarized in the quarterly reports.

10. MBE, WBE, SBRA INVOLVEMENT

ADT (SBE) was utilized during this reporting period for site operations and treatment system operation. Northwest Protective Services (WBE) was utilized during this period for site security services. Sound Analytical Services was utilized to analyze the weekly effluent water samples.

11. LABORATORY SERVICES

Sound Analytical Services was utilized to analyze the weekly effluent water samples.

TASK ORDER PROGRESS REPORT

Contract/Task Order No.: 88-97-5
 E & E Invoice No.: 74135
 Site Name: McCormick & Baxter Remedial Design/Remedial Action
 E & E Project No.: OH4000
 Prepared by: John Montgomery, Project Manager, E & E - Portland
 Date: June 17, 1998
 Period: May 3, 1998 to May 30, 1998

1. BUDGET STATUS SUMMARY

Task Description	Budget Expended this Period	Budget Expended to Date	Authorized Budget	Percent of Work Complete ^a
1-RD Project Planning and Support	\$0.00	\$0.00	\$0.00	0%
2-RD Site-Specific Plans	\$0.00	\$3,811.18	\$3,594.00	100%
3-RD Project Administration	\$1,030.50	\$38,913.59	\$55,914.00	75%
4-RD Subcontractor Procurement	\$0.00	\$1,021.54	\$895.00	100%
5-RD Community Relations	\$0.00	\$6,554.60	\$8,904.00	100%
6-RD Data Acquisition	\$0.00	\$16,079.53	\$30,476.00	100%
7-Sample Analysis	\$0.00	\$9,892.00	\$10,302.00	100%
8-RD Data Validation	\$0.00	\$501.29	\$1,979.00	100%
9-RD Data Management	\$0.00	\$18,832.21	\$21,367.00	100%
10-Treatability Studies	\$0.00	\$0.00	\$0.00	0%
11-Preliminary Design	\$39.38	\$75,485.20	\$78,218.00	100%
14-Pre-Final/Final Design	\$2,770.23	\$55,763.52	\$59,531.00	90%
RD Subtotal	\$3,840.11	\$226,854.66	\$271,180.00	85%
21-RA Planning and Support	\$5,186.20	\$39,345.72	\$65,036.00	50%
22-RA Site-Specific Plans	\$4,633.96	\$130,498.39	\$141,247.00	90%
23-Construction Contractor Procurement	\$1,962.57	\$22,473.57	\$37,941.00	60%
25-Resident Inspection Services	\$0.00	\$0.00	\$0.00	0%
26-RA Data Validation	\$44.28	\$333.50	\$1,939.00	15%
27-RA Implementation	\$69,804.61	\$454,935.33	\$541,453.00	70%
RA Subtotal	\$81,631.62	\$647,586.51	\$787,616.00	70%
TOTAL	\$85,471.73	\$874,441.17	\$1,058,796.00	80%

^a Percent complete represents proportion of authorized work completed to date.

2. PROGRESS MADE DURING THE REPORTING PERIOD

Task 2: RD Site Specific Plans. No activities were conducted during this period

Task 3: RD Project Administration. During this period, E & E conducted routine project management tasks such as resource allocation and financial oversight of the RD activities and prepared the invoice numbered 73850 dated May 20, 1998 for the previous reporting period.

Individual	Role	Hours	Activity
J. Montgomery	Program Manager	8	Project management.

Task 4: RD Subcontractor Procurement. No activities were conducted during this period

Task 5: RD Community Relations. No activities were conducted during this period.

Task 6: RD Data Acquisition. No activities were conducted during this period.

Task 7: RD Sample Analysis. No activities were conducted during this period.

Task 8: RD Data Validation. No activities were conducted during this period.

Task 9: RD Data Management. No activities were conducted during this period.

Task 11: Preliminary Design. No activities were conducted during this period.

Task 14: Final Design. E & E modified the specifications, contract documents and engineering drawings in accordance with DEQ's verbal comments. The final design documents were published and sent to DAS on May 22, 1998, for contractor procurement..

Note - E & E's effort to prepare the contract and bidding portions of the documents has been incurred in Task 23, as specified by the Task Order.

Individual	Role	Hours	Activity
K. Smith	Project Engineer	12	Final design preparation, review, and submittal.
C. Nancarrow	Project Engineer	9	Specifications and CAD figures modifications and quality review, and UPRR permit and correspondence.
A. Saxton	Clerical	6	Copying and publication.
A. Showers	Graphics	0.5	Site location/transportation route figures.
R. Nordeen	Clerical	1.5	Word processing.

Task 21: RA Planning and Support/Project Administration. During this period, E & E conducted routine project management tasks such as resource allocation and financial oversight of the RA activities and prepared the invoice numbered 73850 dated May 20, 1998 for the previous reporting period. E & E also began preparation of a BAP to be submitted to DEQ by mid-June.

Individual	Role	Hours	Activity
J. Montgomery	Program Manager	6	Monthly RA project oversight.
K. Smith	Engineer	29.5	RA project management, invoice preparation, and BAP preparation.
C. Nancarrow	Engineer	24.5	BAP preparation.

Task 22: RA Site Specific Plans. E & E received DEQ's comments regarding the Draft Groundwater-SQAP (GW-SQAP). During this period E & E began modifying the document in accordance with DEQ's comments. The Final GW-SQAP will be submitted to DEQ in early June.

Individual	Role	Hours	Activity
J. Montgomery	Project Manager	5	Comment and document review
M. Ochsner	Hydrogeologist	25	Document revisions
M. Coenen	Engineer	2	Document revisions
M. Witnauer	Geologist	18	Document revisions
C. Nancarrow	Engineer	4	CAD support and CQAP scope of work.
B. Morris	CAD Operator	1.75	CAD figure modifications.

Task 23: Construction Contractor Procurement. E & E revised the contract portion of the soil final design specifications in accordance with DEQ's verbal comments. The revisions were incorporated into the final design submitted to DAS on May 22, 1998.

Individual	Role	Hours	Activity
A. Whitman	Senior Project Engineer	2	P.E. Contract documents review.
K. Smith	Engineer	18	Contract document revisions.

Task 26: RA Data Validation. No activities were conducted during this period

Task 27: RA Implementation. During this period, E & E's full time on-site engineer, Kevin McGillivray, continued activity at the site. The current task order budget does not include sufficient hours for this full time, on-site engineer. E & E will be submitting a cost proposal to DEQ by mid-June requesting additional funds to account for his on-site activity.

E & E completed preparation of the draft First Quarter 1998 quarterly report and, which was submitted to DEQ on May 19, 1998. Preparation included data entry, data quality control checks, data analysis to determine site trends, preparation of tables and graphics, preparation of report text, and publication. The final Fourth Quarter 1997 quarterly report was also submitted on May 27, 1998. The final report contained revisions incorporating comments received from Dave Anderson (via e-mail) on April 16, 1998, and Bill Dana on May 26, 1998.

During this period, E & E began preparing several technical memorandums in response David Anderson's requests (via e-mail) to improve NAPL extraction at the site. The memo entitled *Proposed Treatment System Extraction Pump Enhancements* was submitted on May 26, 1998. This memo presents

proposed extraction pump modifications and purchases in order to enhance NAPL recovery at the site. Additional NAPL extraction enhancement memos are scheduled for submittal by early June. In addition, a technical memorandum entitled *Proposed Site Layout Modifications* was submitted to DEQ on May 28, 1998. This memo proposes modifications to the site layout to improve site control and health and safety.

During the week ending May 23, 1998, E & E's technician conducted clean-up/organization activities at the laboratory and shop buildings to improve working conditions at the site. Numerous laboratory chemicals from the McCormick and Baxter operations were collected and characterized for subsequent disposal. Health and safety improvements in the laboratory building were conducted such as recharging all fire extinguishers, sending site organic vapor analyzers to manufacturers for repair, purchased new first aid kits and eye wash stations, and purchased an OSHA approved acid storage container.

Individual	Role	Hours	Activity
J. Montgomery	Program Manager	13	Activity oversight.
M. Ochsner	Hydrogeologist	49	Quarterly report preparation, technical memorandum preparation.
K. McGillivray	Site Engineer	161	Site operation supervision, activity coordination, and data collection.
K. Smith	Engineer	69	Schedule of site activities, quarterly report review, technical memorandum preparation.
M. Coenen		1	Technical memorandum preparation.
D. Clements	Editor	6.5	Word processing and editing quarterly reports.
M. Witnauer	Geologist (Associate)	41.5	Quarterly report preparation.
C. Nancarrow	Engineer	91.5	Quarterly report preparation and review, data analysis, and technical memorandum preparation.
K. Miller	Technician	36.5	Site laboratory building clean-up/organization.
J. Mihalek	Clerical	49	Word processing, quarterly data entry.
A. Saxton	Clerical	5	Copying and publications.
A. Showers	Graphics	2	Quarterly report figures.
R. Nordeen	Clerical	1	Word processing.

3. ISSUES OF IMPORTANCE.

None at this time.

4. POTENTIAL/CURRENT PROBLEM AND RECOMMENDED SOLUTION

None at this time.

5. KEY ACTIVITIES/SCHEDULE FOR SUBSEQUENT REPORTING PERIOD

- Continued soil remedial contractor procurement activities;
- Finalization of the GW-SQAP;
- Submittal of a cost proposal;
- Submittal of outstanding technical memoranda.

6. DELIVERABLES SUBMITTED

- Final soil design contract documents submitted on May 22, 1998 for bid solicitation.

7. KEY PERSONNEL CHANGES

No changes have occurred during this period.

8. SUBCONTRACTING

ADT (SBE) was utilized during this reporting period for site operations and treatment system operation. Northwest Protective Services (WBE) was utilized during this period for site security services. Sound Analytical Services was utilized to analyze the weekly effluent water samples.

9. DATA GENERATED

Weekly treatment system effluent analytical data was generated during this period. The results are summarized in the quarterly reports.

10. MBE, WBE, SBRA INVOLVEMENT

ADT (SBE) was utilized during this reporting period for site operations and treatment system operation. Northwest Protective Services (WBE) was utilized during this period for site security services. Sound Analytical Services was utilized to analyze the weekly effluent water samples.

11. LABORATORY SERVICES

Sound Analytical Services was utilized to analyze the weekly effluent water samples.